

SYSTEMS AND METHODS FOR RAPID EVALUATION OF CHEMICAL RESISTANCE OF MATERIALS

Abstract of Disclosure

RD-2ems and methods are disclosed for evaluation of small amounts of materials of interest for their resistance to exposure to environmental parameters such as chemicals. The invention also enables analysis of multiple samples simultaneously. Embodiments of the invention include the use of acoustic-wave devices for evaluation of chemical resistance of materials to a chemical, where the materials are deposited on the acoustic-wave devices or are resident in a volume of the chemical used for the material evaluation.

Figures

Figure 1: A diagram illustrating the structure of a document. It shows a vertical sequence of elements: a title, a list of figures, a list of tables, a list of appendices, and a list of references. Each element is represented by a small square icon. The list of figures is the largest, followed by the list of tables, the list of appendices, and the list of references. The title is at the top, and the list of figures is at the bottom.